

#8

PATENT  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: HallerExaminer: Thompson MichaelSerial No.: 09/519,563Group Art Unit: 3763Filed : 03/06/2000Docket: P-7354.03Title : Drive circuit having improved energy efficiency for implantable beneficial agent infusion or delivery device

ASSOCIATE POWER OF ATTORNEY

FAX RECEIVED

JUN 17 2003

Assistant Commissioner of Patents  
Washington, D.C. 20231

PETITIONS OFFICE

Sir or Madam:

Please recognize Eric R. Waldkoetter, Reg. No. 36,713, Thomas G. Berry, Reg. No. 31,736, Girma Wolde-Michael, Reg. No. 36,724, Daniel W. Lathan, Reg. No. 30,401, Kenneth J. Collier, Reg. No. 34,982, Curtis D. Kinghorn, Reg. No. 33,926, Stephen W. Bauer, Reg. No. 32,192, Michael C. Soldner, Reg. No. 41,455, John W. Albrecht, Reg. No. 40,481, and Paul H. McDowall, Reg. No. 34,873 as associate attorneys for the attached list of patent applications, including the above-captioned patent application, and having full authority to prosecute all matters in the Patent and Trademark Office. Please direct all further correspondence to: Eric R. Waldkoetter, c/o Kathy Illg, Medtronic, Inc., 710 Medtronic Parkway (MS-LC340), Minneapolis, Minnesota 55432-5604.

Respectfully submitted,

6-26-02

Date

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Attachment:

List of Patent Applications (11 pages)

06/24/2002

## PATENT RECORD SEARCH

Docket No.	Ctry	Rel.	Rel. #	Type	Status	Group	Div.	Attorney	Add No	Pat No.
P10029.00	US			F			LW091	TFW	10/127,034 04/22/2002	
Agent: TITLE: PERCISE CARDIAC LEAD PLACEMENT BASED ON IMPEDANCE MEASUREMENTS INVENTORS: Smits, Karel F.A.A. Struble, Chester L.										
P10157.00	US			F			LW091	TFW	10/127,037 04/22/2002	
Agent: TITLE: CARDIAC RESYNCHRONIZATION WITH ADAPTIVE A1-A2 AND OR V1-V2 INTERVALS INVENTORS: Grandjean, Pierre A. Struble, Chester L.										
P10183.00	US			F			LW091	TFW	09/897,291 06/29/2001	
Agent: TITLE: CATHETER SYSTEM HAVING DISPOSABLE BALLOON INVENTORS: Greco, Francesco Jorgensen, Kenneth Nielsen, Marianne Pedersen, Anders Kirstein Aundal, Knud										
P10194.00	US			F			LW091	TFW	10/126,733 04/22/2002	
Agent: TITLE: ESTIMATION OF STROKE VOLUME AND CARDIAC OUTPUT USING AN INTRACARDIAL PRESSURE SENSOR INVENTORS: Muhlenberg, Lambert Struble, Chester L.										
P10282.00	US			F			LW091	TFW	10/126,710 04/22/2002	
Agent: TITLE: CARDIAC OUTPUT MEASUREMENT USING DUAL OXYGEN SENSORS IN RIGHT AND LEFT VENTRICLES INVENTORS: Struble, Chester L. Muhlenberg, Lambert Grandjean, Pierre A.										
P10283.00	US			F			LW091	TFW	10/126,816 04/22/2002	
Agent: TITLE: ORGANIZING DATA ACCORDING TO CARDIAC RHYTHM TYPE INVENTORS: Struble, Chester L. Muhlenberg, Lambert Grandjean, Pierre A.										
P10321.00	US			F			LW091	TFW	10/127,038 04/22/2002	
Agent: TITLE: ATRIOVENTRICULAR DELAY ADJUSTMENT INVENTORS: Struble, Chester L. Muhlenberg, Lambert										
P10344.00	US			F			LW091	TFW	10/126,638 04/22/2002	
Agent: TITLE: SEAMLESS COMMUNICATION BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A REMOTE SYSTEM INVENTORS: Houben, Richard P M Donders, Adrianus P. (Jos)										
P10346.00	US		L	F			LW091	TFW	60/331,543 11/19/2001	
Agent: TITLE: METHOD FOR NON-INVASIVE FETAL CARDIAC PACING INVENTORS: Eick, Olaf J. Miehaus, Michael Houben, Richard P M										

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Docket No.	Ctry	Rel.	Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P10408.00	US				F		LW091	TFW	10/133,466 04/29/2002	
Agent: Agent Ref. No: TITLE: STIMULATION CONTROL FOR BRAIN STIMULATION INVENTORS: Gielen, Frans L H										
P10410.00	US			L	F		LW091	TFW	60/333,473 11/28/2001	
Agent: Agent Ref. No: TITLE: METHOD TO SENSE A BRAIN SIGNAL CORRESPONDING TO PERCEPTION OF PAIN AND USE AS FEEDBACK TO CONTROL A BRAIN NEUROSTIMULATOR, DRUG INFUSION DEVICE, OR OTHER MEDICAL DEVICE INVENTORS: Mullett, Keith R.										
P10410.00	US				F		LW091	TFW	10/132,508 04/26/2002	
Agent: Agent Ref. No: TITLE: BRAIN SIGNAL FEEDBACK FOR PAIN MANAGEMENT INVENTORS: Mullett, Keith R.										
P10438.00	US				F		LW091	TFW	10/131,261 04/25/2002	
Agent: Agent Ref. No: TITLE: IMPLANTABLE ELECTROPORTION THERAPY DEVICE AND METHOD FOR USING SAME INVENTORS: Ferek-Petric, Bozidar										
P10489.00	US			L	F		LW091	TFW	60/336,728 12/07/2001	
Agent: Agent Ref. No: TITLE: PRECORDIAL SUPERIOR VENA CAVA ELECTRODE ARRANGEMENT FOR AN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR INVENTORS: Smits, Karel F.A.A.										
P10498.00	US			L	F		LW091	TFW	60/375,080 04/25/2002	
Agent: Agent Ref. No: TITLE: PACEMAKER BLANKING BY MAGNETIC RESONANCE IMAGING (MRI) DEVICE INVENTORS: Zeijlemaker, Volkert A										
P10499.00	US			L	F		LW091	TFW	60/375,076 04/25/2002	
Agent: Agent Ref. No: TITLE: MAGNETIC RESONANCE IMAGING (MRI) TRIGGERED BY THE IMPLANTING PACING SYSTEM INVENTORS: Zeijlemaker, Volkert A										
P10500.00	US			L	F		LW091	TFW	60/375,077 04/25/2002	
Agent: Agent Ref. No: TITLE: TELEMETRY BLANKING FOR PACEMAKERS AND ICDs BY MAGNETIC RESONANCE IMAGING (MRI) DEVICES INVENTORS: Zeijlemaker, Volkert A										
P10512.00	US			L	F		LW091	TFW	60/375,081 04/25/2002	
Agent: Agent Ref. No: TITLE: EXTERNAL PUMP CONTROLLER INVENTORS: Donders, Adrianus P. (Jos) Houben, Richard P M										
P4059.01	US				F		LW091	TFW	09/558,869 04/28/2000	
Agent: Agent Ref. No: TITLE: METHOD AND APPARATUS FOR INHIBITING OR MINIMIZING CALCIFICATION OF AORTIC VALVES INVENTORS: Sutton, Richard										
P4517.00	US				F		LW091	TFW	09/542,258 04/03/2000	
Agent: Agent Ref. No: TITLE: DUAL CHAMBER PACING SYSTEM HAVING TIME- ADAPTIVE AV DELAY INVENTORS: Struble, Chester L. Heynen, Henri G.										

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Docket No.	Ctry	Rel.	Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P4566.00	US				F		LW091	TFW	09/721,881 11/27/2000	
Agent: Agent Ref. No: TITLE: STENTS AND METHODS FOR PREPARING STENTS FROM WIRES HAVING HYDROGEL COATING LAYERS THEREON INVENTORS: Verhoeven, Michel Cahalan, Patrick T. Cahalan, Linda L. Larik, Vincent										
P4782.03	US	C	01	M	F		LW091	TFW	09/494,531 01/31/2000	
Agent: Agent Ref. No: TITLE: SYSTEM AND METHOD FOR RESPIRATION - MODULATED PACING INVENTORS: Renirie, Alexis C.M. Schouten, Vincent JA										
P4971.04	US	C	01	M	F		LW091	TFW	09/433,567 11/04/1999	
Agent: Agent Ref. No: TITLE: SYSTEM FOR PANCREATIC STIMULATION AND GLUCOSE MEASUREMENT INVENTORS: Houben, Richard P M Renirie, Alexis C.M. Weijand, Koen J.										
P4971.05	US	D	02		F		LW091	TFW	09/551,216 04/17/2000	
Agent: Agent Ref. No: TITLE: A SYSTEM FOR DELIVERING INSULIN INVENTORS: Houben, Richard P M Renirie, Alexis C.M. Weijand, Koen J.										
P4971.07	US	C	02		F		LW091	TFW	09/945,686 09/05/2001	
Agent: Agent Ref. No: TITLE: SYSTEM FOR PANCREATIC STIMULATION AND GLUCOSE MEASUREMENT INVENTORS: Houben, Richard P M Renirie, Alexis C.M. Weijand, Koen J.										
P7322.02	US	D	01		F		LW091	TFW	09/558,872 04/28/2000	
Agent: Agent Ref. No: TITLE: IMPLANTABLE DRUG INFUSION DEVICE HAVING A FLOW REGULATOR INVENTORS: Renaud, Philippe Haller, Markus Amacker, Christian										
P7322.04	US	C	01		F		LW091	TFW	09/712,237 11/15/2000	
Agent: Agent Ref. No: TITLE: IMPLANTABLE DRUG INFUSION DEVICE HAVING A FLOW REGULATOR INVENTORS: Renaud, Philippe Haller, Markus Amacker, Christian										
P7326.02	US	D	01	M	F		LW091	TFW	09/273,457 03/22/1999	
Agent: Agent Ref. No: TITLE: MEDICAL ELECTRICAL LEAD INVENTORS: Woloszko, Jean Camps, Antoine N J M (Toine) Van Der Kruk, Ron										
P7354.02	US	P	01	M	F		LW091	TFW	09/494,530 01/31/2000	
Agent: Agent Ref. No: TITLE: SAPTEY VALVE ASSEMBLY FOR IMPLANTABLE BENEFICIAL AGENT INFUSION DEVICE INVENTORS: Haller, Markus Weijand, Koen J.										

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Docket No.	Ctry	Rel.	Rel. #	Type	Status	Group	Div.	Attorney	ADD No	Pat No.
P7354.03	US	P	02		F		LW091	TFW	09/519,563 03/06/2000	
Agent: Agent Ref. No: TITLE: DRIVE CIRCUIT HAVING IMPROVED ENERGY EFFICIENCY FOR IMPLANTABLE BENEFICIAL AGENT INFUSION OR DELIVERY DEVICE INVENTORS: Haller, Markus Weijand, Koen J.										
P7354.06	US	D	01		F		LW091	TFW	10/132,515 04/26/2002	
Agent: Agent Ref. No: TITLE: SAFETY VALVE ASSEMBLY FOR IMPLANTABLE BENEFICIAL AGENT INFUSION DEVICE INVENTORS: Haller, Markus Weijand, Koen J.										
P7354.07	US	D	02		F		LW091	TFW	10/132,514 04/26/2002	
Agent: Agent Ref. No: TITLE: SAFETY VALVES ASSEMBLY FOR IMPLANTABLE BENEFICIAL AGENT INFUSION DEVICE INVENTORS: Haller, Markus Weijand, Koen J.										
P7438.06	US	P	01		F		LW091	TFW	09/871,657 06/04/2001	
Agent: Agent Ref. No: TITLE: DEVICES, SYSTEMS AND METHODS FOR TRANSLUMINALLY AND CONTROLLABLY FORMING INTRAMYOCARDIAL CHANNELS IN CARDIAC TISSUE INVENTORS: Dietz, Ulrich Eick, Olaf J. Duysens, Victor Darius, Harold										
P7492.01	US	D	01		F		LW091	TFW	09/746,011 12/26/2000	
Agent: Agent Ref. No: TITLE: LAMINA PROSTHESIS FOR DELIVERY OF MEDICAL TREATMENT INVENTORS: Gielen, Frans L H Knuth, Henricus M.										
P7492.02	US	D	02		F		LW091	TFW	09/746,021 12/26/2000	
Agent: Agent Ref. No: TITLE: LAMINA PROSTHESIS FOR DELIVERY OF MEDICAL TREATMENT INVENTORS: Gielen, Frans L H Knuth, Henricus M.										
P7553.00	US				F		LW091	TFW	09/433,564 11/04/1999	
Agent: Agent Ref. No: TITLE: BIOLOGICAL TISSUE ADHESIVES, ARTICLES, AND METHODS INVENTORS: Hendriks, Marc Verhoeven, Michel Cahalan, Patrick T. Larik, Vincent										
P7553.01	US	D	01		F		LW091	TFW	10/132,516 04/26/2002	
Agent: Agent Ref. No: TITLE: BIOLOGICAL TISSUE ADHESIVES, ARTICLES, AND METHODS INVENTORS: Hendriks, Marc Verhoeven, Michel Cahalan, Patrick T. Larik, Vincent										

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Docket No.	Ctry	Rel.	Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P7565.00	US				F		LW091	TFW	09/340,440 06/28/1999	
Agent: Agent Ref. No: TITLE: IMPLANTABLE DEVICE INCLUDING A POLYAMINO ACID COMPONENT INVENTORS: Larik, Vincent Hendriks, Marc Cahalan, Patrick T. Verhoeven, Michel Cahalan, Linda L.										
P7640.08	US	D	06		F		LW091	TFW	09/946,495 09/06/2001	
Agent: Agent Ref. No: TITLE: FOUR-CHAMBER PACING SYSTEM FOR OPTIMIZING CARDIAC OUTPUT AND DETERMINING HEART CONDITION INVENTORS: Leinders, Robert Bakels, Arnoldus P. DeRoos, Cobus										
P7718.00	US				F		LW091	TFW	09/449,936 11/29/1999	
Agent: Agent Ref. No: TITLE: MEDICAL ELECTRICAL LEAD HAVING BENDING STIFFNESSES WHICH INCREASE IN THE DISTAL DIRECTION INVENTORS: Smits, Karel F.A.A.										
P7718.03	US	D	01		F		LW091	TFW	09/947,060 09/06/2001	
Agent: Agent Ref. No: TITLE: MEDICAL ELECTRICAL LEAD HAVING BENDING STIFFNESSES WHICH INCREASE IN THE DISTAL DIRECTION INVENTORS: Smits, Karel F.A.A.										
P7853.01	US	D	01		F		LW091	TFW	09/832,925 04/12/2001	
Agent: Agent Ref. No: TITLE: APPARATUS AND METHOD FOR MEASURING THE AMOUNT OF FLUID CONTAINED IN AN IMPLANTABLE MEDICAL DEVICE INVENTORS: Peer, Twan Bakels, Arnoldus P.										
P7856.02	US	D	01		F		LW091	TFW	09/799,709 03/07/2001	
Agent: Agent Ref. No: TITLE: SYSTEM AND METHOD FOR OPTIMIZED BRAIN STIMULATION INVENTORS: Gielen, Frans L H										
P7902.00	US				F		LW091	TFW	09/340,441 06/28/1999	
Agent: Agent Ref. No: TITLE: METHOD FOR COATING IMPLANTABLE DEVICES INVENTORS: Martinez, Gonzalo Taylor, John J Keaney, Kenneth W. Haller, Markus										
P7946.00	US				F		LW091	TFW	09/779,535 02/09/2001	
Agent: Agent Ref. No: TITLE: METHODS FOR MODIFYING SURFACES OF ARTICLES INVENTORS: Koulik, Edouard Cahalan, Patrick T. Iwata, Hiroo										
P8027.00	US				F		LW091	TFW	09/348,506 07/07/1999	
Agent: Agent Ref. No: TITLE: SYSTEM FOR REMOTE COMMUNICATION WITH A MEDICAL DEVICE INVENTORS: Ferek-Petric, Bozidar										

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Docket No.	Ctry	Rel.	Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P8032.00	US				F		LW091	TFW	09/842,404 04/26/2001	
Agent: _____ Agent Ref. No: _____ TITLE: DIAGNOSTIC FEATURES IN BI-ATRIAL AND/OR BI-VENTRICULAR PACING SYSTEMS INVENTORS: Struble, Chester L.										
P8047.00	US				F		LW091	TFW	09/518,796 03/03/2000	
Agent: _____ Agent Ref. No: _____ TITLE: SYSTEM AND METHOD FOR MONITORING AND CONTROLLING THE GLYCEMIC STATE OF A PATIENT INVENTORS: Houben, Richard P M Larik, Vincent										
P8131.00	US				F		LW091	TFW	09/558,867 04/28/2000	
Agent: _____ Agent Ref. No: _____ TITLE: CORONARY SINUS FLOW REGULATED PACING INVENTORS: Ferek-Petric, Bozidar										
P8158.00	US				F		LW091	TFW	09/558,870 04/28/2000	
Agent: _____ Agent Ref. No: _____ TITLE: ISCHEMIC HEART DISEASE DETECTION INVENTORS: Ferek-Petric, Bozidar										
P8158.02	US	D	01		F		LW091	TFW	10/085,072 03/01/2002	
Agent: _____ Agent Ref. No: _____ TITLE: ISCHEMIC HEART DISEASE DETECTION INVENTORS: Ferek-Petric, Bozidar										
P8158.03	US	D	02		F		LW091	TFW	10/085,047 03/01/2002	
Agent: _____ Agent Ref. No: _____ TITLE: ISCHEMIC HEART DISEASE DETECTION INVENTORS: Ferek-Petric, Bozidar										
P8191.00	US				F		LW091	TFW	09/843,914 04/30/2001	
Agent: _____ Agent Ref. No: _____ TITLE: METHODS FOR ADJUSTING CARDIAC DETECTION CRITERIA AND IMPLANTABLE MEDICAL DEVICES USING SAME INVENTORS: Ferek-Petric, Bozidar										
P8240.00	US				F		LW091	TFW	09/779,536 02/09/2001	
Agent: _____ Agent Ref. No: _____ TITLE: HEPARIN COMPOSITIONS AND METHODS OF MAKING AND USING THE SAME INVENTORS: Koulik, Edouard										
P8278.00	US				F		LW091	TFW	09/842,879 04/27/2001	
Agent: Mueting, Raasch, Gebhardt Agent Ref. No: 134.01550101 TITLE: CONTROL OF PACING RATE IN MODE SWITCHING IMPLANTABLE MEDICAL DEVICES INVENTORS: Struble, Chester L. Dunham, David										
P8279.00	US				F		LW091	TFW	09/842,884 04/27/2001	
Agent: _____ Agent Ref. No: _____ TITLE: COMMITTED VENTRICULAR SAFETY PACING INVENTORS: Struble, Chester L.										
P8382.00	US				F		LW091	TFW	09/842,233 04/26/2001	
Agent: _____ Agent Ref. No: _____ TITLE: HYSTERESIS ACTIVATION OF ACCELERATED PACING INVENTORS: Struble, Chester L. Grandjean, Pierre A.										

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Docket No.	Ctry	Rel.	Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P8418.00	US				F		LW091	TFW	09/353,619 07/15/1999	
Agent: TITLE: SYSTEM FOR PROVIDING MEDICAL ELECTRICAL STIMULATION INVENTORS: Holsheimer, Jan										
P8553.00	US	P	01		F		LW091	TFW	09/519,562 03/06/2000	
Agent: TITLE: MEDICAL ELECTRICAL LEAD WITH INTERCHANGEABLE FIXATION MEMBER INVENTORS: Camps, Antoine N J M (Toine) Duyssens, Victor Kretzers, Leonardus J. C. Gerber, Martin T.										
P8553.01	US	D	01		F		LW091	TFW	10/132,513 04/26/2002	
Agent: TITLE: METHOD OF IMPLANTING A MEDICAL ELECTRICAL LEAD INVENTORS: Camps, Antoine N J M (Toine) Duyssens, Victor Kretzers, Leonardus J. C. Gerber, Martin T.										
P8564.00	US				F		LW091	TFW	10/131,417 04/25/2002	
Agent: TITLE: VENTRICULAR SAFETY PACING IN BIVENTRICULAR PACING INVENTORS: Kramm, Berthold										
P8572.00	US				F		LW091	TFW	10/004,848 12/04/2001	
Agent: TITLE: PATIENT ACTIVATED ADMINISTRATION OF DRUG BOLUS FROM IMPLANTABLE DRUG DELIVERY SYSTEM INVENTORS: Haller, Markus										
P8573.00	US				F		LW091	TFW	09/727,461 12/04/2000	
Agent: TITLE: MEDICAL DEVICE AND METHODS OF USE INVENTORS: Hendriks, Marc										
P8580.03	US	D	01		F		LW091	TFW	09/947,433 09/07/2001	
Agent: TITLE: TEMPORARY MEDICAL ELECTRICAL LEAD HAVING BIODEGRADABLE ELECTRODE MOUNTING PAD LOADED WITH THERAPEUTIC DRUG INVENTORS: Lindemans, Predric W. Gebhardt, Ursula Hendriks, Marc										
P8623.00	US				F		LW091	TFW	09/842,232 04/26/2001	
Agent: TITLE: PVC RESPONSE-TRIGGERED BLANKING IN A CARDIAC PACING SYSTEM INVENTORS: Struble, Chester L.										
P8722.00	US				F		LW091	TFW	09/779,537 02/09/2001	
Agent: TITLE: ECHOGENIC DEVICES AND METHODS OF MAKING AND USING SUCH DEVICES INVENTORS: Koulik, Edouard										
P8799.00	US				F		LW091	TFW	10/127,033 04/22/2002	
Agent: TITLE: INSULIN-MEDICATED GLUCOSE UPTAKE MONITOR INVENTORS: Houben, Richard P M										



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Docket No.	Ctry	Rel.	Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P8892.00	US				F		LW091	TFW	09/727,462 12/04/2000	
Agent: _____ Agent Ref. No: _____ TITLE: IMPLANTABLE MEDICAL DEVICE TELEMETRY CONTROL SYSTEMS AND METHODS OF USE INVENTORS: Ferek-Petric, Bozidar										
P8936.00	US				F		LW091	TFW	10/132,510 04/26/2002	
Agent: _____ Agent Ref. No: _____ TITLE: CAPTURE MANAGEMENT IN MULTI-SITE PACING INVENTORS: Ferek-Petric, Bozidar										
P8937.00	US				F		LW091	TFW	10/126,604 04/22/2002	
Agent: _____ Agent Ref. No: _____ TITLE: DETECTING COAGULUM FORMATION INVENTORS: Eick, Olaf J.										
P8943.00	US				F		LW091	TFW	09/742,118 12/22/2000	
Agent: _____ Agent Ref. No: _____ TITLE: IMPLANTABLE MEDICAL DEVICE PROGRAMMING WANDS HAVING INTEGRAL INPUT DEVICE INVENTORS: Ferek-Petric, Bozidar										
P8946.00	US				F		LW091	TFW	10/132,320 04/26/2002	
Agent: _____ Agent Ref. No: _____ TITLE: ULTRASONIC SEPTUM MONITORING FOR IMPLANTABLE MEDICAL DEVICES INVENTORS: Houben, Richard P M Donders, Adrianus P. (Jos)										
P8975.00	US				F		LW091	TFW	09/449,934 11/29/1999	
Agent: _____ Agent Ref. No: _____ TITLE: MEDICAL ELECTRICAL LEAD HAVING VARIABLE BENDING STIFFNESS INVENTORS: Smits, Karel F.A.A.										
P8975.03	US	D	01		F		LW091	TFW	09/947,065 09/06/2001	
Agent: _____ Agent Ref. No: _____ TITLE: MEDICAL ELECTRICAL LEAD HAVING VARIABLE BENDING STIFFNESS INVENTORS: Smits, Karel F.A.A.										
P9030.00	US				F		LW091	ERW	09/535,840 03/28/2000	
Agent: _____ Agent Ref. No: _____ TITLE: PANCREATIC SECRETION RESPONSE TO STIMULATION TEST PROTOCOL INVENTORS: Marchal, Benoit										
P9073.00	US				F		LW091	TFW	09/765,506 01/18/2001	
Agent: _____ Agent Ref. No: _____ TITLE: MINIATURIZED DRUG DELIVERY DEVICES SYSTEMS AND METHODS INVENTORS: Haller, Markus Clement, Claude										
P9085.00	US	P	01		F		LW091	TFW	09/765,484 01/18/2001	
Agent: _____ Agent Ref. No: _____ TITLE: SYSTEM AND METHOD OF COMMUNICATING BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A REMOTE COMPUTER SYSTEM OR HEALTH CARE PROVIDER INVENTORS: Haller, Markus Donders, Adrianus P. (Jos) Ferek-Petric, Bozidar										
P9206.00	US				F		LW091	TFW	10/126,516 04/22/2002	
Agent: _____ Agent Ref. No: _____ TITLE: CARDIAC RESYNCHRONIZATION WITH ADAPTIVE A1-A2 AND OR V1-V2 INTERVALS INVENTORS: Struble, Chester L. Grandjean, Pierre A.										

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Docket No.	Ctry	Rel.	Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P9258.00	US				F		LW091	TFW	10/132,509 04/26/2002	
Agent: _____ Agent Ref. No: _____ TITLE: ABLATION METHOD AND MEDICAL APPARATUS USING SAME INVENTORS: Ferek-Petric, Bozidar										
P9416.00	US	P	01		F		LW091	TFW	09/764,700 01/18/2001	
Agent: _____ Agent Ref. No: _____ TITLE: SYSTEM AND METHOD FOR EMERGENCY COMMUNICATION BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A REMOTE COMPUTER SYSTEM OF HEALTH CARE PROVIDER INVENTORS: Haller, Markus Ferek-Petric, Bozidar Donders, Adrianus P. (Jos)										
P9417.00	US	P	01		F		LW091	TFW	09/765,218 01/18/2001	
Agent: _____ Agent Ref. No: _____ TITLE: SYSTEM AND METHOD OF AUTOMATED INVOICING FOR COMMUNICATIONS BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A REMOTE COMPUTER SYSTEM FOR HEALTH PROVIDER INVENTORS: Haller, Markus Ferek-Petric, Bozidar Donders, Adrianus P. (Jos)										
P9418.00	US	P	01		F		LW091	TFW	09/764,681 01/18/2001	
Agent: _____ Agent Ref. No: _____ TITLE: SYSTEM AND METHOD FOR REMOTE PROGRAMMING OF AN IMPLANTABLE MEDICAL DEVICE INVENTORS: Haller, Markus Ferek-Petric, Bozidar Donders, Adrianus P. (Jos)										
P9436.00	US				F		LW091	TFW	09/842,147 04/26/2001	
Agent: _____ Agent Ref. No: _____ TITLE: PRESSURE-MODULATED RATE-RESPONSIVE CARDIAC PACING INVENTORS: Struble, Chester L.										
P9437.00	US				F		LW091	TFW	10/126,538 04/22/2002	
Agent: _____ Agent Ref. No: _____ TITLE: IMPLANTABLE DRUG DELIVERY SYSTEM RESPONSIVE TO INTRA-CARDIAC PRESSURE INVENTORS: Struble, Chester L.										
P9440.00	US				F		LW091	TFW	09/842,148 04/26/2001	
Agent: _____ Agent Ref. No: _____ TITLE: DRUG DELIVERY FOR TREATMENT OF CARDIAC ARRHYTHMIA INVENTORS: Struble, Chester L.										
P9463.00	US				F		LW091	TFW	10/126,858 04/22/2002	
Agent: _____ Agent Ref. No: _____ TITLE: PRESSURE-MODULATED ENERGY LEVEL FOR PACING PULSES INVENTORS: Struble, Chester L.										
P9464.00	US				F		LW091	TFW	10/126,539 04/22/2002	
Agent: _____ Agent Ref. No: _____ TITLE: CARDIAC RESTRAINT WITH ELECTRODE ATTACHMENT SITES INVENTORS: Struble, Chester L. Grandjean, Pierre A. Zeijlemaker, Volkert A. Smits, Karel F.A.A.										

06/24/2002

## PATENT RECORD SEARCH

Docket No.	Ctry	Rel.	Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P9473.00	US				F		LW091	TFW	09/879,282 06/12/2001	
Agent: _____ Agent Ref. No: _____ TITLE: DEEP TRENCH SEMICONDUCTOR CAPACITORS HAVING REVERSE BIAS DIODES FOR IMPLANTABLE MEDICAL DEVICES INVENTORS: Houben, Richard P M Weijand, Koen J.										
P9475.00	US				F		LW091	TFW	10/001,148 11/15/2001	
Agent: _____ Agent Ref. No: _____ TITLE: MYOCARDIAL PERFORMANCE ASSESSMENT INVENTORS: Corbucci, Giorgio										
P9491.00	US				F		LW091	TFW	09/842,813 04/27/2001	
Agent: _____ Agent Ref. No: _____ TITLE: CLOSED LOOP NEUROMODULATION FOR SUPPRESSION OF EPILEPTIC ACTIVITY INVENTORS: Wadman, Wytse Gielen, Frans L H										
P9511.00	US				F		LW091	TFW	10/126,537 04/22/2002	
Agent: _____ Agent Ref. No: _____ TITLE: BURR HOLE ASSEMBLY FOR STEREOTACTIC FIXATION OF A BRAIN PROBE INVENTORS: Gielen, Frans L H Cornu, Philippe										
P9557.00	US				F		LW091	TFW	09/909,999 07/23/2001	
Agent: _____ Agent Ref. No: _____ TITLE: CELL- BASED BIOSENSORS SUITABLE FOR IMPLANTABLE MEDICAL DEVICE APPLICATIONS INVENTORS: Houben, Richard P M Larik, Vincent										
P9648.00	US				F		LW091	TFW	10/126,522 04/22/2002	
Agent: _____ Agent Ref. No: _____ TITLE: ANTI-TACHYCARDIA PACING BASED ON MULTI-SITE ELECTROGRAMS INVENTORS: Struble, Chester L.										
P9711.00	US		L	F			LW091	TFW	60/371,543 04/11/2002	
Agent: _____ Agent Ref. No: _____ TITLE: METHOD AND APPARATUS FOR AUTOMATIC SHUTDOWN OF HIGH FREQUENCY DELIVERY UPON CATHETER DISLOCATION INVENTORS: Eick, Olaf J. Feron, John C.M.J.										
P9774.00	US		L	F			LW091	TFW	60/333,762 11/29/2001	
Agent: _____ Agent Ref. No: _____ TITLE: TRANS-SEPTAL MEDICAL ELECTRICAL LEADS AND METHODS OF STIMULATING A HEART INVENTORS: Struble, Chester L. Prinzen, Frits W. Smits, Karel F.A.A. Muhlenberg, Lambert Grandjean, Pierre A. Michels, Koen Lokhoff, Nicolaas M.										
P9781.00	US				F		LW091	TFW	10/008,773 12/05/2001	
Agent: _____ Agent Ref. No: _____ TITLE: DIRECTIONAL BRAIN STIMULATION AND RECORDING LEADS INVENTORS: Van Venrooij, Paulus Gielen, Frans L H Mullett, Keith R. Duysens, Victor Gruia, Dan										

06/24/2002

## PATENT RECORD SEARCH

Docket No.	Ctry	Rel.	Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P9897.00	US				F		LW091	TFW	10/131,256 04/25/2002	

Agent:

Agent Ref. No:

TITLE: ULTRASOUND METHODS AND IMPLANTABLE MEDICAL DEVICES USING SAME

INVENTORS: Ferek-Petric, Bozidar  
Breyer, Branko

P9929.00	US				F		LW091	TFW	10/127,041 04/22/2002	
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Agent:

Agent Ref. No:

TITLE: ANTI-SLIP LEADS FOR PLACEMENT WITHIN TISSUE

INVENTORS: Struble, Chester L.  
Grandjean, Pierre A.  
Smits, Karel F.A.A.

98 TOTAL RECORDS REPORTED